

Brief Curriculum Vitae (Q. Daniel Wang)

Q. Daniel Wang is a professor in the Astronomy Department at University of Massachusetts Amherst. He received his Ph.D. in astronomy in 1990 from Columbia University and was awarded the 1992 ASP Robert J. Trumpler Award for Outstanding North American Ph.D Dissertation Research in Astronomy. He was then a NASA Edwin P. Hubble Postdoctoral Fellow at University of Colorado and later a Lindheimer Fellow at Northwestern University. He was also a member of the Institute for Advanced Study at Princeton and a Raymond and Beverley Sackler Distinguished Visiting Astronomer at University of Cambridge. He was honored first as the Siyuan Visiting Professor and later as the Yixing Visiting Chair Professor in the School of Astronomy and Space Science at Nanjing University, recently as a US Fulbright Scholar and a visiting professor at Pontificia Universidad Católica de Chile, and as a visiting professor at Tsung-Dao Lee Institute and Shanghai Jiao Tong University.

His research is primarily on high-energy astrophysics. He is recognized for his pioneering work on X-ray mapping and spectroscopy of diffuse hot plasma in and around galaxies and for leading several major surveys of the Milky Way Galaxy center, using state-of-the-art telescopes. He was the principle investigator of many national and international research projects (with multi-million US dollar funding), including several large observing projects with the Hubble Space Telescope, Chandra X-ray Observatory, and XMM-Newton X-ray Observatory. He has (co-)authored 220+ research papers published in refereed journals (including four in *Nature* and one in *Science* as the lead author and one single author review paper in Proceedings of the National Academy of Sciences). His publication covers a broad range of topics: compact stars, supernova remnants, superbubbles, and hot circumgalactic and intergalactic media, as well as galactic nuclei and their environments. His current research focuses on the feedback and ecosystem of galaxies and galactic nuclear regions. He mainly uses radio, infrared, ultraviolet, and X-ray observations to conduct these studies.

Employment History

2008-present, Full Professor, University of Massachusetts, Amherst
2002-2008, Associate Professor, University of Massachusetts, Amherst
1999-2002, Assistant Professor, University of Massachusetts, Amherst
1994-1999, Research Assistant Professor, Northwestern University, Evanston
1993-1994, Research Scientist at University of Colorado, Boulder
1990-1993, Hubble Fellow, Joint Institute for Laboratory Astrophysics, Boulder

Professional Recognition

2018 Visiting Professorship, Pontificia Universidad Católica de Chile
2018-2019, Fulbright U.S. Scholar
2018-2021 Visiting Professorship, T.D. Lee Institute and Shanghai Jiao Tong University
2013-2016, Yixing Visiting Chair Professorship at Nanjing University
2013, Raymond and Beverley Sackler Distinguished Visiting Astronomer, University of Cambridge
2006-2009, Siyuan Visiting Chair Professorship at Nanjing University
2005, Distinguished Visitor Fellowship, Institute for Advanced Study
1997, First-Class Award for the Science and Technology Advance
from the National Education Committee of P. R. China
1994, Lindheimer Postdoctoral Fellowship
1992, ASP Robert J. Trumpler Award for Outstanding North
American Ph.D Dissertation Research in Astronomy
1990-1993, Hubble Postdoctoral Fellowship
1990, Harvard-Smithsonian Center for Astrophysics Fellowship (declined)
1990, Canadian Institute for Theoretical Astrophysics Fellowship (declined)
1985, Nanjing University "New Star" Award

Scientific Advisory Boards

2018, the NASA Great Observatory Science Analysis Group
2016-2017, Overseas Expert for Chinese Academy of Sciences
2015, Academic Board of the Key Laboratory for Research in Galaxies and Cosmology,
Chinese Academy of Sciences
2014-2017 Executive Committee Member of the High Energy Astrophysics Division of
American Astronomical Society
2009, Frontier Science Panel Member of US Astro 2010 -
the Decadal Survey on Astronomy and Astrophysics

More information may be found at <http://people.umass.edu/wqd/>